

AMENDMENTS TO THE CLAIMS:

Claims 1-21. (Cancelled)

Claim 22 (Original) A method for coating articles with a metallic coating in a vapor coating container having a base, a top spaced from the base, and a side wall connecting the top and the base, the base, top and side wall defining a coating chamber, the method comprising the steps of:

- (a) loading the coating chamber of the container with articles to be coated;
- (b) loading the coating chamber of the container with a source of a metallic coating;
- (c) introducing an inert carrier gas as a plurality of inert carrier gas streams proximate the top of the loaded coating container, each carrier gas stream flowing at least initially in a curved generally centripetal, downward path to provide an inert gas atmosphere in the coating chamber of the loaded container;
- (d) after the inert gas atmosphere is provided in the coating chamber of the loaded container, heating the loaded container to a temperature sufficient to form a metallic coating gas from the metallic coating source;
- (e) continuing the flow of the carrier gas into the coating chamber of the loaded container to move the metallic coating gas within the coating chamber of the loaded container so as to deposit a coating on the articles.

Claim 23 (Original) The method of claim 22 wherein the articles are airfoil turbine blades, wherein the metallic coating source is an aluminum source and wherein the metallic coating gas is an aluminide-bearing gas.

Claim 24 (Original) The method of claim 23 which comprises the further step of loading the coating chamber of the container with a halide activator prior to step (d) and wherein the halide activator forms a reactive halide gas after heating during step (d) that reacts with the aluminum source to form the aluminide-bearing gas.

Claim 25 (Original) The method of claim 23 wherein the halide activator is selected from the group consisting of aluminum chloride, aluminum fluoride, ammonium fluoride and mixtures thereof.

Claim 26 (Original) The method of claim 24 wherein the carrier gas is introduced during step (e) into the coating chamber of the loaded container at a gas flow rate of at least about 15 ft³/hour (about 425 liters³/hour).

Claim 27 (Original) The method of claim 26 wherein the gas flow rate during step (e) is in the range of from about 15 to about 120 ft³/hour (from about 425 to about 3,398 liters³/hour).

Claim 28 (Original) The method of claim 27 wherein the gas flow rate during step (e) is in the range of from about 40 to about 70 ft³/hour (from about 1133 to about 1982 liters³/hour).

Claim 29 (Original) The method of claim 26 wherein the carrier gas is argon.

Claim 30 (Previously Presented) The method of claim 26 wherein the loaded container is heated during step (d) to a temperature of at least about 1000°F (about 538°C).

Claim 31 (Previously Presented) The method of claim 30 wherein the loaded container is heated during step (d) to a temperature in the range from about 1000° to about 2200°F (from about 538° to about 1204°C)

Claim 32 (Previously Presented) The method of claim 31 wherein the loaded container is heated during step (d) to a temperature in the range of from about 1900° to about 2000°F (from about 1038° to about 1093°C).